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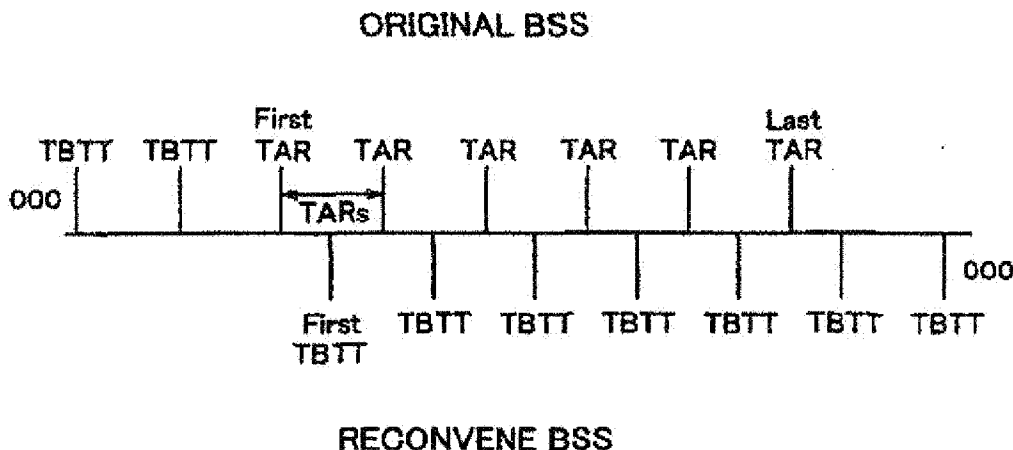
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(54) **Method to dynamically change all management information base (MIB) parameters of a wireless data network**

(57) A method of changing parameters in an 802.11 WLAN includes determining a performance metric for the WLAN; monitoring the performance of the WLAN with a monitor management entity; generating a terminate and reconvene message when the performance of the WLAN drops below a performance metric

threshold; selecting a reconvene BSS having a reconvene BSSID, changed 802.11 parameters and setting a time for the reconvene BSS to become operational; transmitting the terminate and reconvene message to all STAs in the BSS; and instantiating the reconvene BSS at the set time.

FIG.1





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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X,D	CERVELLO G ET AL: "Dynamic Channel SDelection (DCS) Scheme for 802.11" IEEE 802.11-00/195, XX, XX, 12 July 2000 (2000-07-12), pages 1-7, XP002213585 * page 2, line 11 - line 17 * * page 3, line 9 - line 22 * * page 5, line 37 - line 45 * * page 5, line 47 - page 6, line 4 *	1-16	H04L12/28 H04L12/24 H04L12/26 H04Q7/36 H04Q7/38
A,D	US 5 933 420 A (FISHER DAVID A ET AL) 3 August 1999 (1999-08-03) * the whole document *	1-16	
A,D	US 6 049 549 A (GANZ AURA ET AL) 11 April 2000 (2000-04-11) * the whole document *	1-16	
A,D	US 6 092 117 A (GLADWIN S CHRISTOPHER ET AL) 18 July 2000 (2000-07-18) * the whole document *	1-16	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H04L H04Q
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
BERLIN		25 June 2003	BITTERMANN, J
CATEGORY OF CITED DOCUMENTS			
<p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 12 6030

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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25-06-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5933420 A	03-08-1999	US 6208629 B1	27-03-2001
US 6049549 A	11-04-2000	AU 742990 B2	17-01-2002
		AU 8783398 A	08-03-1999
		CA 2300157 A1	25-02-1999
		EP 1004179 A1	31-05-2000
		JP 2001516173 T	25-09-2001
		WO 9909691 A1	25-02-1999
US 6092117 A	18-07-2000	US 6292181 B1	18-09-2001
		US 5974558 A	26-10-1999
		US 5867106 A	02-02-1999
		US 6209034 B1	27-03-2001
		US 6137473 A	24-10-2000
		US 2002008693 A1	24-01-2002
		US 6262719 B1	17-07-2001